

cookiecutter-nist-python

[Cookiecutter](#) template for python packages at [NIST](#).

Overview

This template includes all [NIST](#) specific branding for creating a python package.

Features

- Testing with [pytest](#)
- Isolated testing, documentation building, etc, with [nox](#)
- Linting with [pre-commit](#)
- Documentation with [Sphinx](#), [MyST](#), using either the [furo](#) or [sphinx-book-theme](#) theme.
- Simple commands to upload package to [pypi], or a personal conda channel.
- Simple commands to release documentation to [nist-pages](#)
- Works with both [conda](#) and [virtualenv](#) based environments.
- Handle creation of `requirements.txt` and `environment.yaml` files with [pyproject2conda](#)

Status

This package is actively used by the author. Please feel free to create a pull request for wanted features and suggestions!

Quick start

To generate a package using [cookiecutter](#), run:

```
cookiecutter [--checkout BRANCH-NAME] https://github.com/usnistgov/cookiecutter-nist-python.git
```

where the optional argument in brackets can be used to specify a specific branch.

Alternatively (and highly recommended) is to use [cruft](#). This allows for the template files to be updated as the template is updated. For this, you can run:

```
cruft create [--checkout BRANCH-NAME] https://github.com/usnistgov/cookiecutter-nist-python.git
```

Documentation

See the [documentation](#) for a look at `cookiecutter-nist-python` in action.

License

This is free software. See [LICENSE](#).

Related work

The following packages use this template:

- [cmomy](#)
- [thermoextrap](#)
- [tmmc-lnpy](#)
- [module-utilities](#)
- [analphpy](#)
- [pyproject2conda](#)

Other useful templates

- [cookiecutter-pypackage](#). The template on which this work is based.
- [cookiecutter-hypermodern-python](#)

Contact

The author can be reached at wpk@nist.gov.

Credits

This template started as a fork of [cookiecutter-pypackage](#).

TODO

- ☐ Github actions/automation